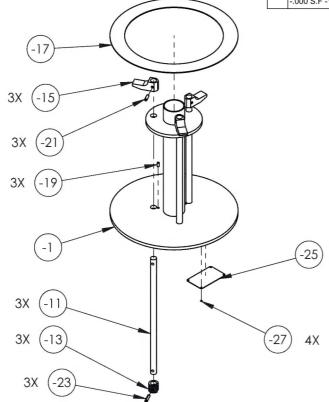
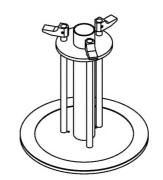
		REVISIONS			
ŀ	REV	DESCRIPTION	DATE	INITIAL	APPROVED
	1	CH'D T/N WAS RBEA91-3293-00 IS RBE332A91-3293-003 CH'D DIM WAS 3X Ø.571 IS 3X Ø.578 S.F115 CH'D DIM WAS 3X Ø.571 IS 3X Ø.578 S.F1111 CH'D DIM WAS 2X Ø.219 IS 2X LIMITS Ø.219 TO .224, -13 & -15 CH'D DIMS WAS Ø.219 IS LIMITS Ø.219 TO .224, WAS Ø.563 S.F11 IS Ø.565 +.002000 S.F11. CH'D TOLERANCE ON NON-CRITICAL PARTS.	5/19/2014	DPD	RJC





ASSY QTY	ASSY QTY	B/O	Part #	UNIT	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	2
	Х		-1	1	WELDMENT			2	1
	1		-3		TOP PLATE	A36 P & O	5/16 X Ø12	3	L
	1		-5		BOTTOM PLATE	A36 P & O	5/16 X Ø5-1/2	5	1
	1		-7		TUBE	DOM	Ø2.0 X .083 WALL x 12	4	1
	1		-9		TAB	A36 P & O	3/8 X 2 X 2-1/2	6	
			-11	3	ROD	SP	Ø9/16 X 13-1/4	7	TITI
			-13	3	KNOB	1018	Ø1 X 1	8	L
			-15	3	FOOT	A36 P & O	1 X 1 X 2-1/2	9	DW
			-17	1	GASKET	GASKET RUBBER	1/16 X Ø12 GASKET SPECIALTIES	10	MA
		B/O	-19	3	DOWEL PIN	STEEL	Ø3/16 X 7/16 MCMASTER-CARR #98381A504	1	Н
		B/O	-21	3	SPRING PIN	S.S.	Ø7/32 X 3/4 MCMASTER-CARR #92373A309	1	.x
		B/O	-23	3	SPRING PIN	S.S.	Ø7/32 X 1 MCMASTER-CARR #92373A313	1	.X .X
		B/O	-25	1	DART PLACARD	ALUMINUM	RED BARN #RB41011	1	1. [
		B/O	-27	4	#2 DRIVE SCREW	COATED STEEL	1/8 MCMASTER-CARR #90081A074	1	2. [
	ASSY -1								sc

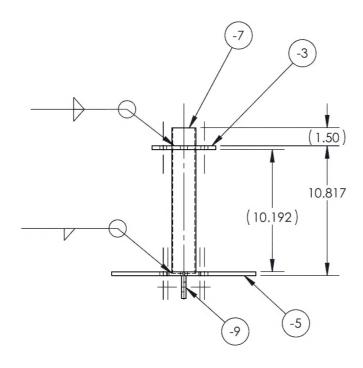
- NOTE:
 1. PRESS 3 -19 (DOWEL PINS) INTO -1 (WELDMENT),
 PINS ARE FLUSH TO INSIDE SURFACE.
- 2. ENGRAVE PLACARD T/N, S/N, & "WORKING LOAD 360 LBF (160 daN)
 TESTING LOAD 720 LBF (320 daN)"

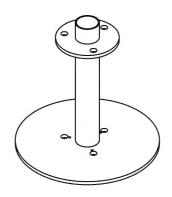


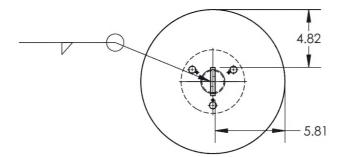
7	REDUCTION MODULE SLING						
8	REBUGITOR	1000					
9	RBE332A	91-3293	3-00	REV 1			
0	MAT'L	DRAWN BY:	GILBERT	•			
1	UNLESS OTHERWISE SPECIFIED	APPROVED 7 Weil					
1	DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT					
1	.XX ± .01 ANGLES ±.5°	FINISH					
1	1. BREAK ALL SHARP EDGES .015 x 45° SPEC						
	OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER	USED ON MODEL					
1	PLATING PLATING	AS332					
	SCALE 1.9 DATE 4/	22/2011	SHEET 1 OF	11			

 REVISIONS

 REV
 DESCRIPTION
 DATE
 INITIAL
 APPROVED



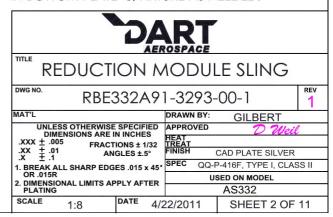




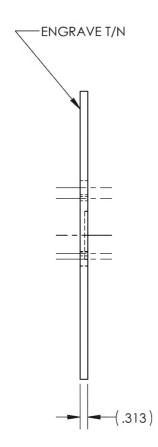
<u>-1</u>

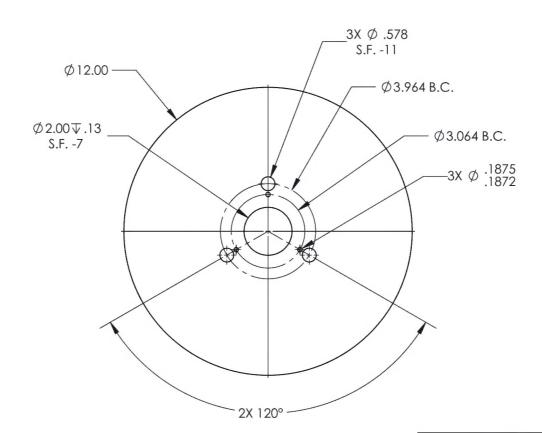
WELDMENT

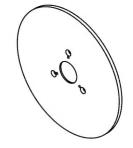
NOTE: ALIGN 3 HOLES IN TOP PLATE -3 WITH 3 HOLES IN BOTTOM PLATE -5, FIXTURE AS NEEDED.



	REVISIONS			
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-3 CH'D DIM WAS 3X Ø.571 IS 3X Ø.578 S.F11.	5/19/2014	DPD	RJC







TOP PLATE

REDUCTION MODULE SLING

DWG NO. RBE332A91-3293-00-3 **GILBERT**

MAT'L A36 P & O DRAWN BY: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/32 FRISH

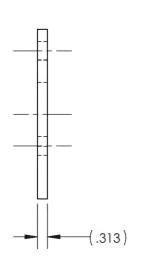
.X ± .1 ANGLES ±.5° SPEC

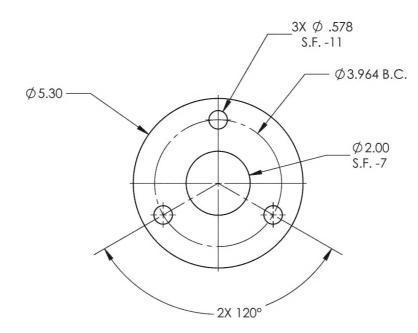
SEE -1 WELDMENT

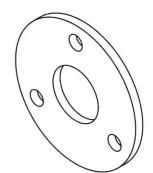
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING SCALE DATE 1:4

USED ON MODEL AS332 4/22/2011 SHEET 3 OF 11

	REVISIONS			
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-5 CH'D DIM WAS 3X Ø.571 IS 3X Ø.578 S.F11.	5/19/2014	DPD	RJC







(-5)

BOTTOM PLATE

	RT		
REDUCTION N	MODULE SLING		
RBE332A9	1-3293-00-5		
MAT'L A36 P & O	DRAWN BY: GILBERT		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED D Weil		
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT		
.XX ± .01 ANGLES ±.5°	FINISH SEE -1 WELDMENT		
1. BREAK ALL SHARP EDGES .015 x 45	, SPEC		
OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER	USED ON MODEL		
PLATING	AS332		

REVISIONS This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR. REV INITIAL APPROVED DESCRIPTION DATE Ø2.000) .083) - 12.13 REDUCTION MODULE SLING DWG NO. REV RBE332A91-3293-00-7 MAT'L DOM DRAWN BY: **GILBERT** UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

XXX ± .005 FRACTIONS ± 1/32

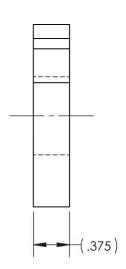
XX ± .01 ANGLES ± .5°

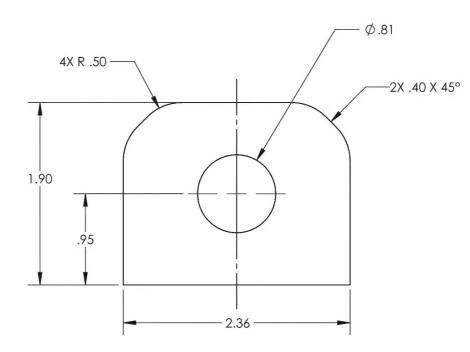
X ± .1 SPECIFICATIONS + 1/32

FINISH

EDEC SEE -1 WELDMENT 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL TUBE AS332 DATE 4/22/2011 SCALE SHEET 5 OF 11 1:3

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED







UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/32 TREAT

.XX ± .01 ANGLES ± .5°

.X ± .1

1:1

SCALE

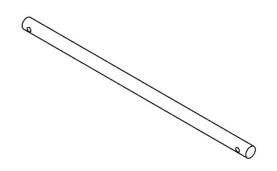
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2. DIMENSIONAL LIMITS APPLY AFTER PLATING

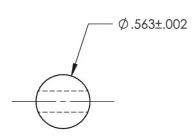
USED ON MODEL AS332 DATE 4/22/2011 SHEET 6 OF 11

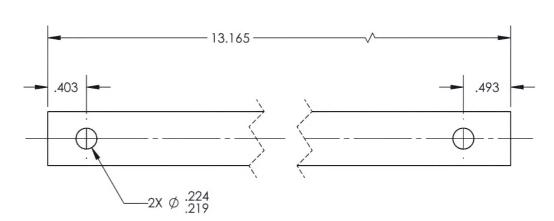
REV

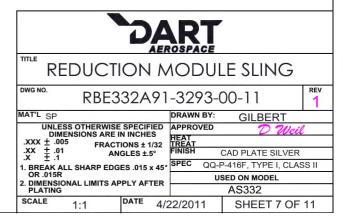
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-11 CH'D DIM WAS 2X Ø.219 IS 2X LIMITS Ø.219 TO .224.	5/19/2014	DPD	RJC





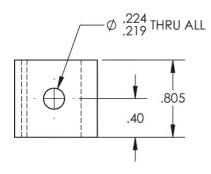


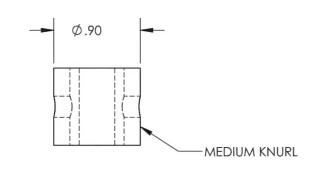


-11)

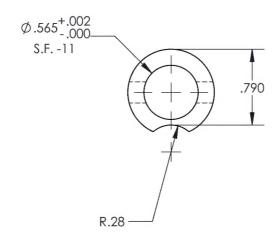
ROD

		REVISIONS			
RI	ΕV	DESCRIPTION	DATE	INITIAL	APPROVED
	1	-13 CH'D DIMS WAS Ø.219 IS LIMITS Ø.219 TO .224, WAS Ø.563 S.F11 IS Ø.565 +.002000 S.F -11.	5/19/2014	DPD	RJC











KNOB



REDUCTION MODULE SLING

DWG NO.

RBE332A91-3293-00-13 DRAWN BY: **GILBERT**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/32 TREAT

.XX ± .01 ANGLES ± .5° FINISH

X ± .1 SPEC OO.

1. BREAK ALL SHARP EDGES .015 x 45*
OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SPEC QQ-P-416F, TYPE I, CLASS II
USED ON MODEL
AS332

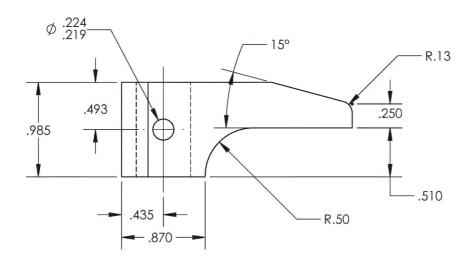
SCALE

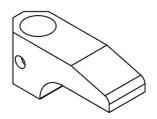
MAT'L 1018

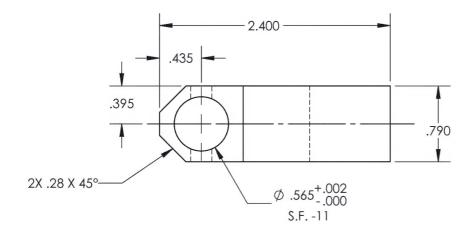
DATE 4/22/2011 SHEET 8 OF 11

CAD PLATE SILVER

	REVISIONS			
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-15 CH'D DIMS WAS Ø.219 IS LIMITS Ø.219 TO .224, WAS Ø.563 S.F11 IS Ø.565 +.002000 S.F -11.	5/19/2014	DPD	RJC









REDUCTION MODULE SLING

DWG NO.

SCALE

RBE332A91-3293-00-15

REV

MAT'L A36 P & O DRAWN BY: **GILBERT**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/32 TREAT

.XX ± .01 ANGLES ± .5° FINISH

X ± .1 SPEC OO.

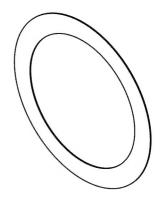
CAD PLATE SILVER

1. BREAK ALL SHARP EDGES .015 x 45*
OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SPEC QQ-P-416F, TYPE I, CLASS II
USED ON MODEL
AS332

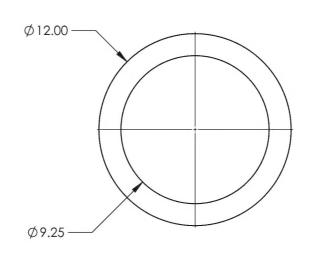
FOOT

1:1

DATE 4/22/2011 SHEET 9 OF 11







REDUCTION MODULE SLING

DWG NO.

SCALE

RBE332A91-3293-00-17

REV

MAT'L GASKET RUBBER DRAWN BY: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .005 FRACTIONS ± 1/32 FINISH XX ± .01 ANGLES ±.5° SPEC

DATE

4/22/2011

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

1:6

USED ON MODEL AS332

GILBERT

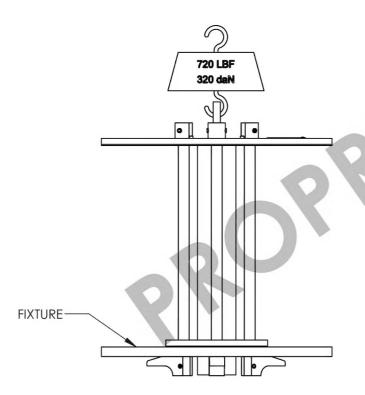
SHEET 10 OF 11

GASKET

	REVISIONS			
REV	DESCRIPTION	DATE	INITIAL	APPROVED

RED BARN MACHINE 190 S. DANEBO AVE., EUGENE OR. 97402 (541)344-9953; fax (541)344-3863 e-mail; sales@redbarn.net

FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBEA91-3263-00 REDUCTION MODULE SLING. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.

REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

- 1. <u>AFTER INSPECTION</u>, PLACE REDUCTION MODULE SLING IN A APPROPRIATE FIXTURE. LIFT USING A TAB ON BOTTOM.
- 2. LIFT UNTIL THE SCALE READS 720 lbs. (320 daN), FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
- 3. LOWER REDUCTION MODULE SLING AND RE-INSPECT, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR_	
TESTER_	
S.N	
DATE	



190 S. Danebo Ave., Eugene, OR. 97402 1-800-556-4166 e-mail: sales@dartaero.com dartaerospace.com

- GC

REDUCTION MODULE SLING

DWG NO.			REV			
RBE332A91-3293-00			0 1	CUSTO	CUSTOMER 1 OF 1	
SCALE	1:5	DATE 8	/1/2011	SHEET	11 OF 11	